

Notice of Allowability

Application No.

09/773,437

Applicant(s)

DEVINE ET AL.

Examiner

Michael D. Meucci

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to request for reconsideration filed 09 January 2006.
2. ☒ The allowed claim(s) is/are 3-8,19,21 and 24-26.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with D. Randal Ayers (Reg. No. 40,493) on 28 March 2006.

Art Unit: 2142

3. The listing of claims replaces all prior versions and listings, of claims in the application:

1-2. (Cancelled)

3. (Previously Presented) A method for preserving a session between an SNA application and a TN3270E server after loss of an IP connection between the TN3270E server and a TN3270E client that is associated with the session, the method comprising:

reestablishing the IP connection between the TN3270E server and the TN3270E client; and then

forwarding a screen refresh request to the SNA application;

receiving a screen refresh from the SNA application; and

forwarding the screen refresh to the TN3270E client over the reestablished IP connection, wherein forwarding a screen refresh request to the SNA application comprises sending an LUSTAT message to the SNA application.

4. (Currently Amended) The method of claim 3, wherein the method further comprises:

receiving a user logon screen from the SNA application in response to an LUSTAT message;

forwarding the user logon screen to the TN3270E client;

receiving the user logon information from the TN3270E client;

checking the authenticity of the received user logon information; and

forwarding the screen refresh to the TN3270E client over the reestablished IP connection only if the received user logon information is authentic.

5. (Currently Amended) The method of claim 3, wherein the screen refresh received from the SNA application and forwarded to the TN3270E client comprises a last data screen that was forwarded from the SNA application and acknowledged as received by the TN3270E client.

6. (Currently Amended) The method of claim 3, wherein the method further comprises:

receiving a user logon screen from the SNA application in response to the screen refresh request;

forwarding the user logon screen to the TN3270E client;

receiving logon information from the TN3270E client;

checking the authenticity of the received logon information; and

resuming the session if the received logon information is authentic.

7. (Previously Presented) The method of claim 4, wherein forwarding a screen refresh request to the SNA application, receiving a screen refresh from the SNA application, and forwarding the screen refresh to the TN3270E client over the reestablished IP connection are performed by the TN3270E server.

8. (Currently Amended) The method of claim 3, wherein the IP connection comprises a TCP/IP connection.

9-18. (Cancelled)

19. (Currently Amended) A system for preserving a session between an SNA application and a TN3270E server after loss of an IP connection between the TN3270E server and a TN3270E client that is associated with the session, comprising:

means for reestablishing the IP connection between the TN3270E server and the TN3270E client;

means for forwarding a screen refresh request to the SNA application;

means for receiving a screen refresh from the SNA application; and

means for forwarding the screen refresh to the TN3270E client over the reestablished IP connection, wherein forwarding a screen refresh request to the SNA application comprises sending an LUSTAT message to the SNA application.

20. (Cancelled)

21. (Currently Amended) A computer program product for preserving a session between an SNA application and a TN3270E server after loss of an IP connection between the TN3270E server and a TN3270E client that is associated with the session, the computer program product comprising a computer usable storage medium having computer readable program code means embodied in the medium, the computer readable program code means comprising:

computer readable program code means for reestablishing the IP connection between the TN3270E server and the TN3270E client;

computer readable program code means for forwarding a screen refresh request to the SNA application;

Art Unit: 2142

computer readable program code means for receiving a screen refresh from the SNA application; and

computer readable program code means for forwarding the screen refresh to the TN3270E client over the reestablished IP connection, wherein forwarding a screen refresh request to the SNA application comprises sending an LUSTAT message to the SNA application.

22-23. (Cancelled)

24. (Currently Amended) A method for preserving a session between an SNA application server and a second server after loss of an IP connection between the second server and an SNA client that is associated with the session, the method comprising:

reestablishing the IP connection between the second server and the SNA client;
receiving a screen refresh request from the SNA client over the reestablished IP connection;

forwarding a screen refresh request to the SNA application server;
receiving a screen refresh from the SNA application server in response to the screen refresh request;

forwarding the screen refresh to the SNA client over the reestablished IP connection, wherein forwarding a screen refresh request to the SNA application server comprises sending an LUSTAT message to the SNA application server.

25. (Currently Amended) The method of claim 24, wherein the method further comprises:

Art Unit: 2142

receiving a user logon screen from the SNA application server in response to the LUSTAT message;

forwarding the user logon screen to the SNA client;

receiving logon information from the SNA client;

checking the authenticity of the received logon information; and

forwarding the screen refresh to the SNA client over the reestablished IP connection only if the received logon information is authentic.

26. (Previously Presented) The method of claim 24, wherein the screen refresh received from the SNA application server and forwarded to the SNA client comprises a last data screen that was forwarded from the SNA application server and acknowledged as received by the SNA client.

Art Unit: 2142

4. The following is an examiner's statement of reasons for allowance: The closest art retrieved within the search is Ariga (U.S. 6,415,331 B1). Ariga discloses: reestablishing the IP connection between the server and the client (lines 55-58 of column 1, lines 34-37 of column 7, lines 15-16 of column 8, label 306 in Fig. 5, and Fig. 6, 7, and 10); forwarding a refresh request to the application (lines 37-40 of column 7, lines 22-55 of column 8, labels 307-308 in Fig. 5, and Fig. 6, 7, and 10); receiving a refresh from the application (lines 41-46 of column 7); and forwarding the screen refresh to the client over the reestablished IP connection (lines 47-55 of column 7). Ariga does not explicitly teach the host application as an SNA application or the request as a screen request. However, IBM-422115 teaches these limitations.

The prior art references of record do not teach (alone or in combination) all the limitations together within the independent claims 3, 19, 21, and 24. For example, the independent claims contain the limitation: "forwarding the screen refresh to the TN3270E client over the reestablished IP connection, wherein forwarding a screen refresh request to the SNA application comprises sending an LUSTAT message to the SNA application." Ariga instead teaches sending a data request to the application server. This in combination with the remaining limitations of claims 3, 19, 21, and 24 could not be found in the prior art and was not considered obvious in view of the prior art. Therefore, the independent claims 3, 19, 21, and 24 have allowable subject matter and are allowable over the prior art of record. The dependent claims of these claims are also allowable.

Application/Control Number: 09/773,437

Page 9

Art Unit: 2142

Claims 3-8, 19, 21, and 24-26 are allowed.

Art Unit: 2142

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Meucci at (571) 272-3892. The examiner can normally be reached on Monday-Friday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell, can be reached at (571) 272-3868. The fax phone number for this Group is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Beatriz Prieto
BEATRIZ PRIETO
PRIMARY EXAMINER